

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/567,867
Source: 1Fwp
Date Processed by STIC: 2/22/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 02/22/2006

PATENT APPLICATION: US/10/567,867

TIME: 09:36:58

Input Set : E:\D0310 PCT sequence listing.ST25.txt

Output Set: N:\CRF4\02222006\J567867.raw

3 <110> APPLICANT: Li, Martha
 4 Rupnow, Brent A.
 5 Webster, Kevin R.
 6 Jackson, Donald
 7 Wong, Tai W.
 9 <120> TITLE OF INVENTION: BIOMARKERS OF CYCLIN-DEPENDENT KINASE MODULATION
 11 <130> FILE REFERENCE: D0310 PCT
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/567,867
 C--> 13 <141> CURRENT FILING DATE: 2006-01-27
 13 <150> PRIOR APPLICATION NUMBER: US 60/490,890
 14 <151> PRIOR FILING DATE: 2003-07-29
 16 <160> NUMBER OF SEQ ID NOS: 2786
 18 <170> SOFTWARE: PatentIn version 3.2
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 21 <211> LENGTH: 666
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
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 40 atcacgttca tctccatgtt cttggagggtc ggcaaagtca ttggcctcct ggtaagcac 480
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 44 taagtaacac acttattttt gcctgtgtat ggagagattc aagaaataat tttaaaaccg 600
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 59 1 5 10 15
 62 Thr Ile Phe Gly Lys Ile Ile Arg Lys Glu Ile Pro Ala Lys Ile Ile
 63 20 25 30
 66 Phe Glu Asp Asp Arg Cys Leu Ala Phe His Asp Ile Ser Pro Gln Ala
 67 35 40 45
 70 Pro Thr His Phe Leu Val Ile Pro Lys Lys His Ile Ser Gln Ile Ser
 71 50 55 60

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75 65              70              75              80
78 Gly Lys Lys Cys Ala Ala Asp Leu Gly Leu Asn Lys Gly Tyr Arg Met
79              85              90              95
82 Val Val Asn Glu Gly Ser Asp Gly Gly Gln Ser Val Tyr His Val His
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100 gagagtgatc taccagagca ggaagaggag attctgggat ctgatgatga tgagcaagaa      180
102 gatacctaag attattgtta aggagggtat catcttgtga aaattggaga tctattcaat      240
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130 caggatcaaa cgcttatgga acgtgatata gaggggtggtg cagcagaaat taattgcaat      1080
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152 tacactcgag atgaagatca cattgcattg atcatagaac ttctggggaa ggtgcctcgc      1740
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164 ctcttccctt ttcagggtga agctcttcc tcaagagttt ctagatcttg tttttttttt      2100
166 aatccaacat gttcatttgg gtttgccttac ttgacctgtg ggagatcccc acagccattg      2160

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168 ggcacccctag gtgaatttgg ccttggttgg gctctgccaa agactaatgg actaaaatgt 2220
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174 agtcaaattt tctagtgcac atcctattgc cagcataagg atgaggaggg ggaaagggtc 2400
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182 tcaaattcct ttcacccctt aatagttaag atctttgaat cttcagctctg atttttaatg 2640
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194 tacagctttt tctttacctt acccaaaatt ctggccttga agcagttttc ctctatggct 3000
196 ttgcctttct gattttctca gaggtctcag tctttaatat aaccccaaat gaaagaacca 3060
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212 gtgaggctat tgggtaacca cctttctata caggagattg gaatctactt tgtcatttat 3540
214 ccaccacagt gacaaaggaa aagtggtgcc gttatgcaat ccatttaact cataaacata 3600
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222 tttcagctgt ttttacatct aaagcaatag actagaactg aattatcttc tacatagtaa 3840
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239 <210> SEQ ID NO: 4

240 <211> LENGTH: 654

241 <212> TYPE: PRT

242 <213> ORGANISM: Homo sapiens

244 <400> SEQUENCE: 4

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251 20 25 30
254 Ser Ala Pro His Ser Glu Ser Asp Leu Pro Glu Gln Glu Glu Ile
255 35 40 45
258 Leu Gly Ser Asp Asp Asp Glu Gln Glu Asp Pro Asn Asp Tyr Cys Lys
259 50 55 60
262 Gly Gly Tyr His Leu Val Lys Ile Gly Asp Leu Phe Asn Gly Arg Tyr

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263	65					70				75				80		
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267					85					90				95		
270	Ser	Trp	Asp	Ile	Gln	Gly	Lys	Lys	Phe	Val	Ala	Met	Lys	Val	Val	Lys
271					100				105					110		
274	Ser	Ala	Glu	His	Tyr	Thr	Glu	Thr	Ala	Leu	Asp	Glu	Ile	Arg	Leu	Leu
275					115				120					125		
278	Lys	Ser	Val	Arg	Asn	Ser	Asp	Pro	Asn	Asp	Pro	Asn	Arg	Glu	Met	Val
279					130				135					140		
282	Val	Gln	Leu	Leu	Asp	Asp	Phe	Lys	Ile	Ser	Gly	Val	Asn	Gly	Thr	His
283	145								150					155		160
286	Ile	Cys	Met	Val	Phe	Glu	Val	Leu	Gly	His	His	Leu	Leu	Lys	Trp	Ile
287					165					170				175		
290	Ile	Lys	Ser	Asn	Tyr	Gln	Gly	Leu	Pro	Leu	Pro	Cys	Val	Lys	Lys	Ile
291					180				185					190		
294	Ile	Gln	Gln	Val	Leu	Gln	Gly	Leu	Asp	Tyr	Leu	His	Thr	Lys	Cys	Arg
295					195				200					205		
298	Ile	Ile	His	Thr	Asp	Ile	Lys	Pro	Glu	Asn	Ile	Leu	Leu	Ser	Val	Asn
299					210				215					220		
302	Glu	Gln	Tyr	Ile	Arg	Arg	Leu	Ala	Ala	Glu	Ala	Thr	Glu	Trp	Gln	Arg
303	225								230					235		240
306	Ser	Gly	Ala	Pro	Pro	Pro	Ser	Gly	Ser	Ala	Val	Ser	Thr	Ala	Pro	Gln
307					245					250				255		
310	Pro	Lys	Pro	Ala	Asp	Lys	Met	Ser	Lys	Asn	Lys	Lys	Lys	Lys	Leu	Lys
311					260				265					270		
314	Lys	Lys	Gln	Lys	Arg	Gln	Ala	Glu	Leu	Leu	Glu	Lys	Arg	Met	Gln	Glu
315					275				280					285		
318	Ile	Glu	Glu	Met	Glu	Lys	Glu	Ser	Gly	Pro	Gly	Gln	Lys	Arg	Pro	Asn
319					290				295					300		
322	Lys	Gln	Glu	Glu	Ser	Glu	Ser	Pro	Val	Glu	Arg	Pro	Leu	Lys	Glu	Asn
323	305								310					315		320
326	Pro	Pro	Asn	Lys	Met	Thr	Gln	Glu	Lys	Leu	Glu	Glu	Ser	Ser	Thr	Ile
327					325					330				335		
330	Gly	Gln	Asp	Gln	Thr	Leu	Met	Glu	Arg	Asp	Thr	Glu	Gly	Gly	Ala	Ala
331					340				345					350		
334	Glu	Ile	Asn	Cys	Asn	Gly	Val	Ile	Glu	Val	Ile	Asn	Tyr	Thr	Gln	Asn
335					355				360					365		
338	Ser	Asn	Asn	Glu	Thr	Leu	Arg	His	Lys	Glu	Asp	Leu	His	Asn	Ala	Asn
339					370				375					380		
342	Asp	Cys	Asp	Val	Gln	Asn	Leu	Asn	Gln	Glu	Ser	Ser	Phe	Leu	Ser	Ser
343	385								390					395		400
346	Gln	Asn	Gly	Asp	Ser	Ser	Thr	Ser	Gln	Glu	Thr	Asp	Ser	Cys	Thr	Pro
347					405					410				415		
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351					420				425					430		
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355					435				440					445		
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363 465                               470                               475                               480
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367                               485                               490                               495
370 Asp Leu Gly Asn Ala Cys Trp His Lys His Phe Thr Glu Asp Ile Gln
371                               500                               505                               510
374 Thr Arg Gln Tyr Arg Ser Leu Glu Val Leu Ile Gly Ser Gly Tyr Asn
375                               515                               520                               525
378 Thr Pro Ala Asp Ile Trp Ser Thr Ala Cys Met Ala Phe Glu Leu Ala
379                               530                               535                               540
382 Thr Gly Asp Tyr Leu Phe Glu Pro His Ser Gly Glu Glu Tyr Thr Arg
383 545                               550                               555                               560
386 Asp Glu Asp His Ile Ala Leu Ile Ile Glu Leu Leu Gly Lys Val Pro
387                               565                               570                               575
390 Arg Lys Leu Ile Val Ala Gly Lys Tyr Ser Lys Glu Phe Phe Thr Lys
391                               580                               585                               590
394 Lys Gly Asp Leu Lys His Ile Thr Lys Leu Lys Pro Trp Gly Leu Phe
395                               595                               600                               605
398 Glu Val Leu Val Glu Lys Tyr Glu Trp Ser Gln Glu Glu Ala Ala Gly
399                               610                               615                               620
402 Phe Thr Asp Phe Leu Leu Pro Met Leu Glu Leu Ile Pro Glu Lys Arg
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410 <210> SEQ ID NO: 5

411 <211> LENGTH: 1752

412 <212> TYPE: DNA

413 <213> ORGANISM: Homo sapiens

415 <400> SEQUENCE: 5

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454 ctaaataattt aaaataatga atgtaacacc ttttttagtt cactgattct gaagtgttct     1200

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:306; N Pos. 764,785,789,801,808,810,813,824,830,833,836,838,843,853
Seq#:306; N Pos. 854,870,872,875,894,898,919,925,928,930,944,947,962,964
Seq#:306; N Pos. 972,975
Seq#:382; N Pos. 481
Seq#:452; N Pos. 2,3,4,5,110,112,156,173,230,243,251,414,444,471,473,522
Seq#:452; N Pos. 523,524,530,538,543,544,550,555,558,559,560,561,562,563
Seq#:452; N Pos. 564,565,566,567,568,569,570,571,572,573,574,575,576,577
Seq#:452; N Pos. 578,579,580,581,582,587,588,589,590,591,592,593,594,595
Seq#:452; N Pos. 596,597,598,599,600,601,602,603,604,605,606,607,608,609
Seq#:452; N Pos. 610,611,612,613,614,615,616,617,618,619,620,621,622,623
Seq#:452; N Pos. 624,625,626,627,628,629,630,631,632,633,634,635,636,637
Seq#:452; N Pos. 638,639,640,641,642,643,644,645,646,647,648,649,650,651
Seq#:452; N Pos. 652,653,654,655,656,657,658,659,660,661,662,663,664,665
Seq#:452; N Pos. 666,667,668,669,670,671,672,673,674,675,676,677,678,679
Seq#:452; N Pos. 680,681,682,683,684,685,686,687,688,689,690,691,692,693
Seq#:452; N Pos. 694,695,696,697,698,699,700,701,702,703,704,705,706,707

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/22/2006
PATENT APPLICATION: US/10/567,867 TIME: 09:36:59

Input Set : E:\D0310 PCT sequence listing.ST25.txt
Output Set: N:\CRF4\02222006\J567867.raw

Seq#:452; N Pos. 708,709,710,711,712,713,714,715
Seq#:473; N Pos. 2
Seq#:497; Xaa Pos. 2,4,306
Seq#:608; N Pos. 2534,2536
Seq#:661; N Pos. 432,847,904,1401,1600,1631
Seq#:855; N Pos. 356,408,470
Seq#:925; N Pos. 2741

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2775,2776,2777,2778,2779,2780,2781,2782,2783,2784,2785

VERIFICATION SUMMARY

DATE: 02/22/2006

PATENT APPLICATION: US/10/567,867

TIME: 09:36:59

Input Set : E:\D0310 PCT sequence listing.ST25.txt

Output Set: N:\CRF4\02222006\J567867.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:18018 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:2460
L:22598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:9480
L:32319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:265 after pos.:0
M:341 Repeated in SeqNo=265
L:36738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:306 after pos.:0
M:341 Repeated in SeqNo=306
L:47704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:382 after pos.:480
L:55527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:452 after pos.:0
M:341 Repeated in SeqNo=452
L:57852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:473 after pos.:0
L:61463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:497 after pos.:0
M:341 Repeated in SeqNo=497
L:76484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:2520
L:83092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:661 after pos.:420
M:341 Repeated in SeqNo=661
L:112156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:855 after pos.:300
M:341 Repeated in SeqNo=855
L:122564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:925 after pos.:2700
L:122828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:926 after pos.:896
L:126773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:963 after pos.:0
M:341 Repeated in SeqNo=963
L:127280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:968 after pos.:360
M:341 Repeated in SeqNo=968
L:165444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1246 after pos.:0
M:341 Repeated in SeqNo=1246
L:167989 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1267 after pos.:1860
L:171996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1313 after pos.:0
L:186198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1427 after pos.:4200
M:341 Repeated in SeqNo=1427
L:200827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1476 after pos.:52080
M:341 Repeated in SeqNo=1476
L:204243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1480 after pos.:18180
L:210786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1509 after pos.:1980
L:238374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1699 after pos.:0
M:341 Repeated in SeqNo=1699
L:248560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1764 after pos.:540
M:341 Repeated in SeqNo=1764
L:250747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1781 after pos.:3060
L:251171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1785 after pos.:240
L:256011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1792 after pos.:32
M:341 Repeated in SeqNo=1792
L:263695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1856 after pos.:96
L:270359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1894 after pos.:300
M:341 Repeated in SeqNo=1894
L:271941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1909 after pos.:5880
M:341 Repeated in SeqNo=1909

VERIFICATION SUMMARY

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L:274157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1917 after pos.:0

L:294452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2034 after pos.:0

M:341 Repeated in SeqNo=2034

L:297466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2059 after pos.:0